CONTENTS OF VOLUME 66

Vol. 66 Nos. 1–2 September (I, II) 2004

PHILIP M. FEARNSIDE / Greenhouse Gas Emissions from Hydroelectric Dams: Controversies Provide a Springboard for Rethinking a Supposedly 'Clean' Energy Source. *An Editorial Comment* 1–8

LUIZ PINGUELLI ROSA, MARCO AURELIO DOS SANTOS, BOHDAN MATVIENKO, EDNALDO OLIVEIRA DOS SANTOS and ELIZABETH SIKAR / Greenhouse Gas Emissions from Hydroelectric Reservoirs in Tropical Regions 9–21

J. M. VAQUERO / Solar Signal in the Number of Floods Recorded for the Tagus River Basin over the Last Millennium. *Comment on 'Magnitude and Frequency of Floods in the Tagus Basin (Central Spain) over the Last Millennium' by G. Benito et al. (2003)* 23–26

GERARDO BENITO, ANDRÉS DÍEZ-HERRERO and MARÍA FERNÁNDEZ DE VILLALTA / Flood Response to Solar Activity in the Tagus Basin (Central Spain) over the Last Millennium. *Response to J.M. Vaquero 'Solar Signal in the Number of Floods Recorded for the Tagus River Basin over the Last Millennium'* 27–28

A. MARIA DEL ROSARIO PRIETO, B. RICARDO GARCÍA-HERRERA and EMILIANO HERNÁNDEZ MARTIN / Early Records of Icebergs in the South Atlantic Ocean from Spanish Documentary Sources 29–48

T. G. O'CONNOR and G. A. KIKER / Collapse of the Mapungubwe Society: Vulnerability of Pastoralism to Increasing Aridity 49–66

LAURENT PFISTER, GILLES DROGUE, ABDELKHALAK EL IDRISSI, JEAN-FRANÇOIS IFFLY, CHRISTELLE POIRIER and LUCIEN HOFFMANN / Spatial Variability of Trends in the Rainfall-Runoff Relationship: A Mesoscale Study in the Mosel Basin 67–87

REINER WASSMANN, NGUYEN XUAN HIEN, CHU THAI HOANH and TO PHUC TUONG / Sea Level Rise Affecting the Vietnamese Mekong Delta: Water Elevation in the Flood Season and Implications for Rice Production 89–107

F. BOURAOUI, B. GRIZZETTI, K. GRANLUND, S. REKOLAINEN and G. BIDOGLIO / Impact of Climate Change on the Water Cycle and Nutrient Losses in a Finnish Catchment 109–126

URAN CHUNG, JAEYEON CHOI and JIN I. YUN / Urbanization Effect on the Observed Change in Mean Monthly Temperatures between 1951–1980 and 1971–2000 in Korea 127–136

J. ANTHONY STALLINS / Characteristics of Urban Lightning Hazards for Atlanta, Georgia 137–150

YONG-SEUNG CHUNG, MA-BYUNG YOON and HAK-SUNG KIM / On Climate Variations and Changes Observed in South Korea 151–161

ILANA WAINER, ANDREA TASCHETTO, BETTE OTTO-BLIESNER and ESTHER BRADY / A Numerical Study of the Impact of Greenhouse Gases on the South Atlantic Ocean Climatology 163–189

ROY DARWIN / Effects of Greenhouse Gas Emissions on World Agriculture, Food Consumption, and Economic Welfare 191–238

CHI-CHUNG CHEN, BRUCE A. McCARL and DAVID E. SCHIMMELPFENNIG / Yield Variability as Influenced by Climate: A Statistical Investigation 239–261

Vol. 66 No. 3 October 2004

ROB SWART, MARKUS AMANN, FRANK RAES and WILLEMIJN TUINSTRA / A Good Climate for Clean Air: Linkages Between Climate Change and Air Pollution. *An Editorial Essay* 263–269

AXEL KLEIDON / Beyond Gaia: Thermodynamics of Life and Earth System Functioning 271–319

OLLI VARIS, TOMMI KAJANDER and RISTO LEMMELÄ / Climate and Water: From Climate Models to Water Resources Management and Vice Versa 321–344

ELMAR KRIEGLER and THOMAS BRUCKNER / Sensitivity Analysis of Emissions Corridors for the 21st Century 345–387

Volume Contents 389–390

Author Index 391